

January 8, 2008

CONSULTANTS

- GEOTECHNICAL
- MATERIALS
- ENVIRONMENTAL

Allan Dewald 6790 Nameless Cave Road Rapid City, South Dakota 57702

Subject:

Percolation Study Dewald Property Nameless Cave Road Rapid City, South Dakota

AET No. 18-02720

Dear Mr. Dewald:

This letter transmits the results of the percolation tests run on your property at 6790 Nameless Cave Road in Rapid City, South Dakota. This work was done in accordance with your verbal authorization of January 2, 2008.

Percolation tests were conducted within the area identified by you as the future location of the on-site wastewater system of your new residence. The drilling was performed on January 2, 2008 at which time one 8 foot deep profile hole was drilled along with the three percolation holes at the site. In general, the site soils consisted of brown to red sandy lean clay with some gravel and sand lenses. The soils were relatively moist however no groundwater was encountered at the time of drilling.

Percolation holes were drilled to approximately 30 inches in depth and were prepared for testing in general accordance with the guidelines presented in Chapter 74:03:01 "Individual and Small On-Site Wastewater Systems." The percolation tests were run on January 3rd. The percolation rates ranged from 17 min/inch to 20 min/inch with an average of approximately 19 min/inch. The specific results of the percolation tests are included at the end of this letter.

The data contained in this letter represent the findings logged and tested at the areas drilled. Other than this, no warranty is intended or implied. If you have any questions or need additional information, please call our office at (605) 388-0029.

Sincerely;

Robert Temme P.E. South Dakota Manager

AMERICAN ENGINEERING TESTING, INC.

Percolation Test Information **Dewald Property** Nameless Cave Road Rapid City, South Dakota AFT # 18-02720

		A	E # 18-V	2120		
	Test		Test		Test	
ĺ	Hole		Hole		Hole	
	#1		#2	words the shouldbear the south house the	#3	
Inch 1	12	Minutes	15	Minutes	16	Minutes
Inch 2	18	Minutes	12	Minutes	14	Minutes
Inch 3	15	Minutes	13	Minutes	16	Minutes
Inch 4	20	Minutes	15	Minutes	20	Minutes
Inch 5	25	Minutes	20	Minutes	30	Minutes
Inch 6	30	Minutes	15	Minutes	24	Minutes
	30	Minutes	30	Minutes		Minutes
Inch 7		Minutes	- 	Minutes		Minutes
Inch 8		Minutes		Minutes		Minutes
inch 9		,		Minutes		Minutes
Inch 10		Minutes				Minutes
Inch 11_		Minutes		Minutes		
Inch 12		Minutes		Minutes		Minutes
		Minutes		Minutes		Minutes

Average of all three holes 19 minutes/Inch

20

Averages

Minutes

Minutes/Inch

		al ac	1
Person completing the percolation testing	Michael Brown	Milliette 1	rown
Person completing the percolation testing	Printed Name		Signature

8-foot Soil Profile Information

	8-100t John Frome Information							
	Soil Type	Remarks: Boring B-4						
1 foot	Sandy Clay	0 – .4 feet - Sandy Clay with organics brown						
2 foot		.4 – 11.5 feet – Sandy Clay brown to red, some gravel						
3 foot		and sand lenses						
4 foot	and propagations by the state of the state o							
5 foot								
6 foot								
7 foot								
8 foot								

Person completing the soil profile information Robert Temme P.E.

Printed Name

Minutes/Inch

Signature

Minutes/Inch

20

RC FORM 990 3/05

